

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

AMENDMENTS TO THE CLAIMS:

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Listing of Claims:

Claims 1-7 (canceled)

1. (Currently amended) A surgical device for removing tissue cells from a biological structure, comprising

a fluid jet device for generating a fluid jet capable of separation and a suction device for suctioning off separated tissue cells and the injected fluid, ~~as well as~~

an operating handpiece (1) connected with the fluid jet device and the suction device,

wherein the operating handpiece (1) comprises an outer suction tube (2) and ~~an~~ a co-axial inner injection cannula (5) extending through the suction tube (2),

the outer suction tube (2) and the inner injection cannula (5) forming therebetween an annular suction channel,

the suction tube (2) includes one or more rows of radial suction openings (4), and

the distal end of the co-axial injection cannula (5) is closed by a conical tip (7) having a cone base and forming a the surface, the surface ~~of the conical tip~~ includes a nozzle slit (8) that forms a flat jet (9),

wherein the nozzle slit (8) is inclined by an angle (α) with respect to ~~the~~ an axial plane of the injection cannula (5), with the angle (α) being selected so that a the flat fluid jet (9) with at least one separation tip (10), ~~and~~ a first separation edge (11), ~~and~~ a second

separation edge (12) [1] and a peeling surface (13) is formed, and wherein the angle (α) extends from the cone base to one of the two visible edges of the conical tip (7).

2. (Cancelled)

3. (Currently amended) The surgical device of claim [2] 1,
wherein the nozzle slit (8) is V-shaped and forms an angled, flat fluid jet (9).

4. (withdrawn) The surgical device of claim 1,
wherein the angle (α) is formed in a direction opposite to the conical tip (7) and the nozzle slit (8) extends parallel to at least one of the two visible edges of the conical tip (7).

5. (withdrawn) The surgical device of claim 4,
wherein the nozzle slit (8) is V-shaped and forms an angled fluid jet (9).

6. (withdrawn) The surgical device of claim 1,
wherein at least two separate nozzle jets (8) are arranged on the surface of the conical tip (7), which produce diverging flat fluid jets (9), which together assumed the shape of an impeller.

7. (withdrawn) The surgical device according to one or more of claims 1,
wherein the suction tube (2) has as many rows of suction openings (4) as there are peeling surfaces (13), and each row of suction openings is oriented towards the side of the peeling surface (13) and the location of at least one of the separation tips (10).